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GAU 1655

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Attorney Docket No. 15966-539CIP (CURA-39CIP)

Date of Deposit: July 16, 2001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Rothberg et al.
SERIAL NO.: 09/614,505
FILING DATE: July 11, 2000
FOR: Method for Identifying A Biomolecule

EXAMINER: Janell T. Cleveland
ART UNIT: 1655

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Assistant Commissioner for Patents
Washington, D.C. 20231

Transmittal Letter

Transmitted herewith for filing in the above-referenced application are the following:

Response to Office Action Dated April 16, 2001 (16 pages); and
Return postcard

The Commissioner is hereby authorized to charge payment of any additional filing fees required in connection with the papers transmitted herewith, or credit any overpayment of same, to Deposit Account No. 50-0311 (Reference No. 15966-539 CIP).

Respectfully submitted,

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Response to Office Action Dated April 16, 2001

In response to the Office Action dated April 16, 2001 ("Office Action"), please amend the application as follows.

In the Claims:

Cancel claims 1-26 without prejudice.

Amend the claims as follows:

27. (Amended) A method of identifying a nucleic acid sequence, the method comprising:

- (a) providing a population of nucleic acid molecules comprising at least one set of nucleic acid molecules;
- (b) fractionating the set of nucleic acid molecules from other nucleic acid molecules in the population;
- (c) isolating the fractionated set of nucleic acid molecules;
- (d) constructing a first library with the isolated set of nucleic acid molecules, wherein the first library comprises a subset of one or more member nucleic acid molecules;
- (e) recovering nucleic acids comprising the subset from the first library;
- (f) fractionating the recovered subset from at least some of the other recovered nucleic acids;
- (g) isolating at least one member nucleic acid molecule from the fractionated subset of nucleic acid molecules; and